

I claim:

1. A method for changing data stored on a first card having at least one magnetic storage region, the at least one magnetic region storing data representing account identification data, the method comprising the steps of:

4 receiving the account identification data of the first card;

5 determining a second card and a third card based on the account identification  
6 data of the first card, the second and third cards each being identified by different account  
7 identification data;

8 selecting one of the second and third cards; and

9 writing the account identification data of the selected card onto the at least one  
10 magnetic region of the first card.

1 2. The method of claim 1, wherein the step of receiving includes receiving the

2 account identification data of the first card, the first card being a universal card, and the step of  
3 determining including determining the second and third cards, each of the second and third  
4 cards being conventional magnetic stripe cards.

1 3. The method of claim 1, wherein the step of receiving includes reading the

2 account identification data of the first card from the at least one magnetic region of the first  
3 card.

1        4.     The method of claim 3, wherein the at least one magnetic region comprises a  
2     magnetic stripe, the account identification data being stored on the magnetic stripe in such a  
3     way so as to be compatible with conventional magnetic stripe card readers.

1        5.     The method of claim 1, wherein the step of determining includes reading data  
2     representing the second and third cards from a memory.

1        6.     The method of claim 1, wherein the step of determining includes the step of  
2     displaying data associated with the second and third cards on a display.

1        7.     The method of claim 1, further including repeating the steps of receiving,  
2     determining, selecting, and writing, wherein the repeated step of selecting includes selecting  
3     one of the second and third cards different from the card selected in the original step of  
4     selecting.

1        8.     The method of claim 1, wherein a universal reader/writer performs the steps of  
2     receiving, determining, and writing.

1        9.     The method of claim 1, further including the step of passing a security test prior  
2     to the step of writing, the step of writing being performed depending upon whether the security  
3     test is passed.

1        10. The method of claim 9, wherein the step of passing the security test includes  
2        reading a fingerprint and comparing the fingerprint with a fingerprint stored in a storage device.

1        11. A device for transforming a first card having at least one magnetic storage  
2        region into another card, the device comprising:

3                an input device for receiving account identification data identifying the first  
4        card;

5                a processor coupled to the input device for determining a second card and a third  
6        card based on the account identification data of the first card, the second and third cards each  
7        being identified by different account identification data; and

8                a magnetic write head coupled to the processor for writing the account  
9        identification data of one of the second and third cards onto the at least one magnetic region of  
10      the first card.

1        12. The device of claim 11, further including a memory coupled to the processor for  
2        storing the account numbers of the second and third cards.

1        13. The device of claim 11, wherein the device is a universal reader/writer.

1        14. The device of claim 11, wherein the input device comprises a magnetic read  
2        head for reading the at least one magnetic storage region of the first card.

1 15. The device of claim 14, wherein the magnetic read head and the magnetic write  
2 head are combined as a magnetic read/write head.

1 16. The device of claim 14, further including a slot for receiving the first card, the  
2 magnetic read head reading the first card while the first card is disposed in the slot.

1 17. The device of claim 11, further including a display coupled to the processor for  
2 displaying data associated with at least one of the second and third cards.

1 18. The device of claim 17, wherein the display comprises a touch-sensitive display,  
2 the second and third cards being selectable by touching the display.

1 19. The device of claim 11, further including a control for selecting one of the  
2 second and third cards.

1 20. The device of claim 19, wherein the magnetic write head is configured to write  
2 the account identification data of one of the second and third cards onto the at least one  
3 magnetic region of the first card responsive to the control.

1 21. The device of claim 19, wherein the control includes a plurality of buttons.

1 22. The device of claim 11, further including:

2 a memory coupled to the processor for storing the account identification data of  
3 the second and third cards; and  
4 an interface coupled to the memory for connection with an external device, the  
5 interface being configured to receive the account identification data of the second and third  
6 cards, the interface transferring the account identification data of the second and third cards to  
7 the memory.

1           23. The device of claim 11, wherein the device is incorporated into a cellular  
2 telephone.

1           24. The device of claim 11, wherein the device is incorporated into a personal digital  
2           assistant.

1        25. The device of claim 11, wherein the processor is configured to generate a  
2 security test, the magnetic write head being configured to write to the first card depending upon  
3 whether the security test is passed.

1 26. The device of claim 11, further including:  
2 a memory coupled to the processor for storing a fingerprint; and  
3 a fingerprint reader coupled to the processor, the processor being configured to  
4 compare a fingerprint read from the fingerprint reader with the fingerprint stored in the  
5 memory.

1        27. The device of claim 11, further including:  
2                    a memory coupled to the processor for storing a password; and  
3                    a control for receiving a password from a user, the processor being configured to  
4 compare the password from the control with the password stored in the memory.

1        28. The device of claim 27, wherein the password is a personal identification  
2 number.

1        29. The device of claim 11, wherein the at least one magnetic storage region  
2 comprises a magnetic stripe, the magnetic write head being configured to write to the magnetic  
3 stripe in such a way that data written to the magnetic stripe is readable by a conventional card  
4 reader.

1        30. The device of claim 11, wherein the device is small enough to fit in a standard  
2 wallet.

1        31. The device of claim 11, wherein the device is less than about 1/8 of an inch in  
2 thickness.

1        32. A method for configuring a device that transforms a first card into another card  
2 selected from a plurality of cards, the method comprising the steps of:  
3                    storing account identification data for a first card to a database;

4 storing account identification data for a second card and a third card to the  
5 database, the database associating the account identification data of the first card with the  
6 account identification data of the second and third cards; and

7 storing the account identification data for each of the first card, the second card,  
8 and the third card into a memory of the device, the memory and the device being separate from  
9 the database.

1           33. The method of claim 32, further including the step of generating a security test,  
2           the step of storing being performed depending upon whether the security test is passed.

1        34. The method of claim 32, wherein the step of storing the account identification  
2        data of the second and third cards into the database includes reading the account identification  
3        data from the second and third cards using a magnetic read head.

1        35. The method of claim 32, wherein the step of storing the account identification  
2 data of the second and third cards into the database includes sending the account identification  
3 data of the second and third cards to the database via at least one of a telephone network and the  
4 internet.

4                   a control coupled to the memory for allowing a user to select either the first  
5                   account identification data or the second identification data;  
6                   a re-writeable magnetic storage region coupled to the memory; and  
7                   a device for writing either the first or the second account identification data  
8                   responsive to the control.

*sub E* 1           37. The card of claim 36, wherein the control comprises a plurality of touch-

*sub E* 2           sensitive pads.

*sub E* 1           38. The card of claim 36, wherein the magnetic storage region comprises a magnetic

*sub E* 2           stripe.

*sub E* 1           39. The card of claim 38, wherein the magnetic stripe is configured so as to be

*sub E* 2           compatible with conventional magnetic stripe readers.

*sub E* 1           40. The card of claim 36, wherein the first and the second account identification data

*sub E* 2           includes data representing an account number.

*sub E* 1           41. The card of claim 36, further including a fingerprint reader coupled to the

*sub E* 2           memory, the device for writing being responsive to the fingerprint reader.

*sub E* 1           42. The card of claim 41, further including a processor coupled to the fingerprint

*sub E* 2           reader and the memory, the memory storing a fingerprint, the processor being configured to

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- 3 compare a fingerprint read by the fingerprint reader with the fingerprint stored in the memory,
- 4 the device for writing being responsive to whether the fingerprint read by the fingerprint reader
- 5 matches the fingerprint stored in memory.

*Bob B8*

*Add E2*